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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,354	04/26/2001	Gye-Chool Lee	A34237	8507

20306 7590 06/03/2005

MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP
300 S. WACKER DRIVE
32ND FLOOR
CHICAGO, IL 60606

EXAMINER

CHO, HONG SOL

ART UNIT PAPER NUMBER

2662

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/843,354	LEE, GYE-CHOO	
	Examiner	Art Unit	
	Hong Cho	2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The following is a response to the amendments filed on 5/18/2005.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jeon (US 6345053) in view of Shah et al (U.S. 6442384), hereinafter referred to as Shah.

Re claims 1, 2 and 4, Jeon discloses assigning base station controller identities (BSC_ID) with relation identifier (REL_ID) (*group ID*) and base transceiver station identities (BTS_ID) in CDMA and PCS system (column 4, lines 3-15; lines 29-34). Jeon does not disclose receiving BSC IDs and group IDs from operating and maintenance center (OMC) and BTS IDs from BSC. Shah discloses a telecommunication network in which OMC is connected to base station subsystem (BSS) comprising a BSC and BTS, wherein information is transmitted between OMC and BSS (figure 1; lines 58-64). Therefore, it would have been obvious to one having ordinary skill in the art at the time

the invention was made to modify the system of Jeon to implement the function of Shah in receiving BSC IDs and group IDs from operating and maintenance center (OMC) and BTS IDs from BSC to get the benefit of easy implementation and maintenance of a plurality of communication units by utilizing program loaded data (PLD) in base station manager (BSM), BSC and BTS. The combined system of Jeon and Shah fails to teach steps of determining if the system is initialized, if ID allocation request signal is received at OMC from a BSC and at BSC from a BTS. However, it is well known in the art of client and server system that the client requests a service to the server by sending a request signal and getting a permission in a form of response or acknowledgement signal back from the server to proceed service downloading. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combined system of Jeon and Shah to implement the process of client and server system in allocating corresponding IDs to a plurality of subsystems so that whenever there is a change introduced by a newly added or removed communication unit, then updating of configuration management of the system maintained by the OMC is done easily through software with the help of PLD.

Re claim 3, Jeon discloses a general BSC data with REL_ID field, BSC ID field and other fields (figure 3). Jeon fails to disclose the BSC ID allocation data including 8 bits for a BSC group ID field, 8 bits for a BSC ID field and 16 bits for a reserve field. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the message format of Jeon in accord with the fields

disclosed by the invention so that it saves communication bandwidth and provides efficient communication since unnecessary information is not transmitted.

Re claim 5, Jeon discloses a general BTS data with REL_ID field, BTS ID field and other fields (figure 3). Jeon fails to disclose the BTS ID allocation data including 13 bits for a BTS group ID field, 3 bits for a BTS ID field and 16 bits for a reserve field. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the message format of Lim in accord with the fields disclosed by the invention so that it saves communication bandwidth and provides efficient communication since unnecessary information is not transmitted.

Response to Arguments

4. Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - US Patent (5728890) to Beeson, Jr et al
 - US Patent (5513183) to Kay et al

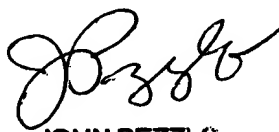
- 6 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc

Hong Cho
Patent Examiner
5/27/2005


JOHN PEZZLO
PRIMARY EXAMINER